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REMARKS

Claims 1-7, 15-17, 19, 20, 22, 30-32, and 34 are rejected under 35 U.S.C. § 102(b) based upon U.S. Patent No. 6,144,866 issued to Miesel et al. Claim 1 is directed to a medical electrical lead that comprises "a lead body including a proximal end." "[A] sensor capsule coupled to the lead body and a sensor bus coupled to the sensor capsule and extending through the lead body to the lead body proximal end." "[T]he sensor bus [includes] an elongate coil conductor, an elongate cable conductor extending within the coil conductor, an electrically insulative layer, positioned between the cable conductor and the coil conductor, having a relative dielectric coefficient less than approximately 10 and an average gap between the outer diameter of the insulative layer and the coil conductor."

Miesel does not disclose both an insulative layer and "an average gap between the outer diameter of the insulative layer and the coil conductor." The United States Patent & Trademark Office cites to Miesel, col. 24, lines 50-62 which discloses a gap between the first and the second plates of the capacitor but this gap is not "between the outer diameter of the insulative layer and the coil conductor" as in claim 1.

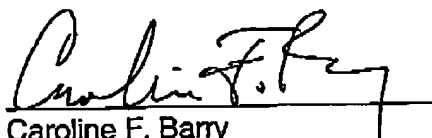
Claims 7-14, 21, and 23-29 are rejected under 35 U.S.C. § 103(a) based upon Miesel in view of U.S. Patent No. 6,501,991 issued to Honeck. Claims 13-14 and 28-29 are rejected under 35 U.S.C. § 103(a) based upon Miesel in view of U.S. Patent No. 5,564,434 issued to Halperin. Neither of these references disclose, teach or suggest an insulative layer and "an average gap between the outer diameter of the insulative layer and the coil conductor." Additionally, a skilled artisan would not combine either Honeck or Halperin with Miesel since the claimed invention relates to solving very different problems. Withdrawal of the instant rejections and Issuance of a Notice of Allowance is respectfully requested.

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Withdrawal of the instant rejections and issuance of a Notice of Allowance
is respectfully requested.

Respectfully submitted,

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